

BIOTECHNOLOGY
SYSTEMS
BRANCH



0590
1120

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/028,248
Source: 0188
Date Processed by STIC: 11/20/02

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 01/29/2002



Does Not Comply
Corrected Diskette Needed

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/028,248

DATE: 11/20/2002

TIME: 11:31:09

*Explanation of
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755 caaatatgat gggcctggac agatgcattt gccagaaagg ttacgtgggt gatggcttaa 1740
756 cgtgttatgg aaacattatg gagcgactca gagaattaaa tactgaaccc agaggaaaat 1800
757 ggcaaggaag gctgacctct ttcattctcac tcctagaaag tatacaaatt gtaagtgtac 1860
758 aactcagtga attttccaa cgtgaacctt cttgtgtaaa caccaagtcc attgccagca 1920
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765 ccttagatga ggatggagtt ggtggaccat acaccatttt tgttccaaat aatgaagcat 2340
766 tgaataacat gaaggacggc actctcgatt acctcctttc tcagagctt gaagtggcca 2400
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769 aaaatggccg aatttacaca ctgacaggag ttctcattcc tccctccatt gtcccgatc 2580
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RAW SEQUENCE LISTING

DATE: 11/20/2002

PATENT APPLICATION: US/10/028,248

TIME: 11:31:09

Input Set : A:\Cura2221.app

Output Set: N:\CRF4\11192002\J028248.raw

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772 gatgtgtcta cagtggcagg tttgggagcc tgaagagcgg ctgtgcccg tactgcaatg 2760
773 ccactgtgaa gtgtgcagat agcctcggcg gcaacgggac atgcatttgt gaggagggt 2820
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776 tcaactggcac atgcagagac ggctctgccg ggagactctg tgataagcag acctcagcct 3000
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778 ccagttgtat ttgcaaagca ggatatgaag gagatggaac tctgtgttct gagatggacc 3120
779 cttgcacagg actaactcca ggaggctgta gccgcaatgc agaatgcac aaaactggca 3180
780 cgggcaccca cacctgcgtg tgtcagcagg gttggacagg gaatgggaga gactgctcgg 3240
781 agatcaacaa ctgcctgctg cccagtgcag gcggtgcca cgacaacgca tctgtttgt 3300
782 atgtgggtcc cgggcagaat gagtgtgagt gcaagaaagg atttcgagga aatgggattg 3360
783 actgtgaacc aataacttca tgcttggaaac aaaccgggaa atgtcatcca ttggcaagct 3420
784 gtcaatctac ttcgtctggt gtctggagct gtgtttgtca agagggtat gaaggagatg 3480
785 gctttctgtg ctatggaaac gcagcagtg aattgtcatt tctctccgaa gcagctatat 3540
786 ttaaccgatg gataaataat gcttctctac aacccacact gtcagccacc tcaaacctca 3600
787 ctgtcctcgt gccttcccaa caagctactg aggacatgga ccaggatgag aaaagcttct 3660
788 ggttgtcaca gagcaatatt ccagccctaa taaagtacca tatgtacta ggcacataca 3720
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812 gcacacagac aggacccaac caggctgcct gtaactgttt gccagcatac actggagatg 5160
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814 ccatctgcaa ccactctggg caagtagaaa ggacttgtac ttgcaagcca aactacattg 5280
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817 tcaactgttt tgacacttta tctgcagcct ttgatgagga agctcgggtt aaagactggg 5460
818 acaaatacgg ttaaatgcc caggttcttc ggtaccatgt ggtcgctgc caccagctgc 5520
819 ttctggaaaa cctgaaattg atctcaaatg ctacttcctt ccaaggagag ccaatagtca 5580

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RAW SEQUENCE LISTING

DATE: 11/20/2002

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TIME: 11:31:09

Input Set : A:\Cura2221.app

Output Set: N:\CRF4\11192002\J028248.raw

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868 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaac 8495

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RAW SEQUENCE LISTING

DATE: 11/20/2002

PATENT APPLICATION: US/10/028,248

TIME: 11:31:11

Input Set : A:\Cura2221.app

Output Set: N:\CRF4\11192002\J028248.raw

17962 <210> SEQ ID NO: 210

17963 <211> LENGTH: 3260

17964 <212> TYPE: DNA

17965 <213> ORGANISM: Homo sapiens

17967 <400> SEQUENCE: 210

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17970 cagccttttga tgaggaagct cgggttaaag actgggacaa atacgggtta atgccccagg 180
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17973 atataaataa taaggctaag atcatatcca gtgatatcat cagtactaat gggattgttc 360
17974 atatcataga caaattgcta tctcccaaaa atttgcttat cactcccaaa gacaactctg 420
17975 gaagaattct gcaaaatctt acgactttgg caacaaacaa tggctacatc aaatttagca 480
17976 acttaataca ggactcaggt ttgctgagtg tcatcaccga tcccatccac accccagtca 540
17977 ctctcttctg gccaccgac caagccctcc atgccctacc tgctgaacaa caggacttcc 600
17978 tgttcaacca agacaacaag gacaagctga aggagtattt gaagtttcat gtgatacgag 660
17979 atgccaaagg tttagctgtg gatcttcca catccactgc ctggaagacc ctgcaagggt 720
17980 cagagctgag tgtgaaatgt ggagctggca gggacatcgg tgacctcttt ctgaatggcc 780
17981 aaacctgcag aattgtgcag cgggagctct tgtttgacct ggggtgtggc tacggcattg 840
17982 actgtctgct gattgatccc accctggggg gccgctgtga cacctttact actttcgatg 900
17983 cctcggggga gtgtgggagc tgtgtcaata ctccagctg cccaaggtgg agtaaaccac 960
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17986 actgtcaggc ctgccctgga ggaccagatg ccccggtgta taaccggggt gtctgccttg 1140
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17994 ggcacagctg cacagagata gaccctgtg cagacggcct taacggaggg tgtcacgagc 1620
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18004 tgatgtcctt cccctcactc acaaacttcc tgacggaagt gctggcctat tccaacagct 2220
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18006 ttgtgccaca gaacagtggg ctgggggaga atgagacctt gtctgggcgg gacatcgagc 2340
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/028,248

DATE: 11/20/2002

TIME: 11:31:11

Input Set : A:\Cura2221.app

Output Set: N:\CRF4\11192002\J028248.raw

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18012 ctgcttactc ctacttttcgg ataaaccgga gaacaatcgg cttccagcat tttgagtcgg 2700
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18014 tgtatgagag cacaacctca gctccccag aaccttccta cgacccttc acggactctg 2820
18015 aagaacggca gcttgagggc aatgaccct tgaggacact gtgagggcct ggacgggaga 2880
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18017 ttttaggaac gtaaagtcct ttaagcactc agaagccata cctcatctct ctggctgac 3000
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18019 tctgaccctt tggctcttct tcctttgtac tcttcagctg gcacctgctc cattctgcc 3120
E--> 18020 tacatgatgg gtaactgtga tctttcttcc ctgttagatt gtaagcctcc ntctttgtat 3180
18021 ccagccct agcccagtgc ctgacacagg aactgtgcac aataaagggt tatggaacag 3240
18022 aaaaaaaaaa aaaaaaaaaa 3260

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VARIABLE LOCATION SUMMARY

DATE: 11/20/2002

PATENT APPLICATION: US/10/028,248

TIME: 11:31:12

Input Set : A:\Cura2221.app

Output Set: N:\CRF4\11192002\J028248.raw

Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:1; N Pos. 163,164,165,166,167,168,1279,1280,1281,1282,1283,1284

Seq#:2; Xaa Pos. 55,56,427,428

Seq#:3; N Pos. 1311,1312,1313,1314,1315,1316

Seq#:4; Xaa Pos. 371,372

Seq#:210; N Pos. 3171

VERIFICATION SUMMARYPATENT APPLICATION: **US/10/028,248**

DATE: 11/20/2002

TIME: 11:31:12

Input Set : **A:\Cura2221.app**Output Set: **N:\CRF4\11192002\J028248.raw**

L:34 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:66 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1
M:340 Repeated in SeqNo=1
L:225 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:2
L:225 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:2
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:48
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:416
L:748 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:3
L:949 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:4
L:949 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:4
L:949 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:368
L:18020 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:210